

Comparison of Water Resource Management Programs

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Program Element	Current Effort	Permitting Enhancement	Resource Management
Permitting			
Permit applications get cursory review; few get detailed review using hydrogeology data; Iowa Geological Survey review rare	X	X	
Detailed review for all applications; additional support from IGS		X	X
Comprehensive hydrogeologic review and GW modeling			X
Median turnaround time 65 days	X		
Median turnaround time 45 days		X	X
Data Management			
Limited permit info in database; enter report data received	X		
Improved database and tracking		X	X
Comprehensive database and data analysis			X
Compliance			
Encourage voluntary compliance with reporting requirements	X		
Tracking to improve compliance of reporting requirements		X	X
Individual compliance assistance for reporting requirements			X
Investigate interference complaints and low stream conditions			X
Long term conservation plans required, no follow up	X		
Technical assistance for permittees to write plans		X	X
Resource Monitoring			
Outdated low flow stream protection criteria	X		
Updated low flow stream protection criteria		X	X
Decreasing number of stream gauging stations	X		
Maintain current gauging stations		X	X
Comprehensive network of gauging stations			X
No groundwater level monitoring (terminated in 2004)	X		
Minimal GW level monitoring network		X	X
Statewide GW level monitoring network			X
Planning			
State Water Plan revised in 1987	X		
Revise State Water Plan every 5 years		X	X
Resource Characterization			
Analysis required by applicant in extreme cases	X		
Detailed analysis of the most critical aquifers		X	X
Comprehensive aquifer assessments by IGS/USGS			X
GW modeling of most critical aquifers			X
FTEs			
Permitting	2.75	3	6
Field Offices			3
IGS		2	6
Program support			1
Contracts		\$150,000	\$325,000
Total Annual Costs	\$255,000	\$600,000	\$1.65 million